

Question Paper
ANMC Question Paper 2018 - Class 7

Exam ID : TEST/2024/02/25125210

Report Generation Date : 3/26/2024 2:59:35 PM

Q1: A book was sold for Rs. 13.20 with a profit of 10%. If it were sold for Rs.13, then what would have been the percentage of profit or loss?

A: $8\frac{2}{3}\%$

B: $8\frac{1}{3}\%$

C: 8%

D: $8\frac{1}{4}\%$

Answer: B

Q2: The selling price of goods which cost Rs. 12 and were sold at a loss of 10% is:

A: Rs.10.8

B: Rs.11.0

C: Rs.11.2

D: None of the above

Answer: A

Q3: A sum of Rs.1500 was lent partly at 3% and partly at 5% p.a. simple interest. The total interest received after 3 years was Rs.180. The ratio of the money lent at 3% to that lent at 5% is:

A: 2:1

B: 1:1

C: 1:2

D: 3:2

Answer: B

Q4: 30% of 1200 = x% of 400, then the value of x is:

A: 90

B: 60

C: 80

D: 85

Answer: A

Question Paper
ANMC Question Paper 2018 - Class 7

Exam ID : TEST/2024/02/25125210

Report Generation Date : 3/26/2024 2:59:35 PM

Q5: A man sells a mare at Rs. 7440 making a loss of 7%. The cost of the mare is:

A: Rs.7900

B: Rs.7800

C: Rs.8000

D: Rs.7990

Answer: C

Q6: Which of the following is the correct descending order?

A: $11/9 > 53/47 > 21/19 > 37/34$

B: $21/19 > 37/34 > 11/9 > 53/47$

C: $11/9 > 21/19 > 53/47 > 37/34$

D: $53/47 > 21/19 > 37/34 > 11/9$

Answer: A

Q7: Find the value of: $(8/3) \times [-9/2 + 7/6]$

A: $8 \frac{8}{9}$

B: $-(8 \frac{7}{9})$

C: $8 \frac{7}{9}$

D: $-(8 \frac{8}{9})$

Answer: D

Q8: Rohan had his two friends over for pizza. Rohan ate $1/7$ of the pizza. One of his friends ate $3/7$ of the pizza and the other friend ate $1/7$ of the pizza. How much of the pizza is left?

A: $1/7$

B: $1/6$

C: $2/7$

D: $3/7$

Answer: C

Q9: If $a + b + c = 4$ and $a^2 + b^2 + c^2 = 10$ and $1/a + 1/b + 1/c = 1$ then find abc .

A: 5

B: 3

C: 4

D: 6

Answer: B

Question Paper
ANMC Question Paper 2018 - Class 7

Exam ID : TEST/2024/02/25125210

Report Generation Date : 3/26/2024 2:59:35 PM

Q10: If $x + 1/x = 3$ then the value of $x^{12} + 1/x^{12}$ is:

A: 104520

B: 103682

C: 100235

D: 15432

Answer: B

Q11: If $a^3 - b^3 = 35$ and $a - b = 5$, then the value of $(a^2 + b^2 + ab)$ is:

A: 7

B: 40

C: 30

D: 12

Answer: A

Q12: If $a + b + c = 5$ and $a^2 + b^2 + c^2 = 12$ and $1/a + 1/b + 1/c = 3$ then find abc .

A: $12/5$

B: $15/7$

C: $13/6$

D: $16/7$

Answer: C

Q13: If $(p - q) = 7$ then what is the value of $(p - 24)^3 - (q - 17)^3$?

A: 0

B: 1

C: -3

D: -1

Answer: A

Q14: Give a simple fraction for 6.25

A: $5/8$

B: $5/6$

C: $25/4$

D: $4/7$

Answer: C

Question Paper
ANMC Question Paper 2018 - Class 7

Exam ID : TEST/2024/02/25125210

Report Generation Date : 3/26/2024 2:59:35 PM

Q15: There are 43% of boys in a school. If the number of girls is 513, find the total number of students in the school.

A: 930

B: 900

C: 880

D: 890

Answer: B

Q16: An article is marked at Rs. 950. If it is sold for Rs. 792, then find the discount per cent.

A: 15.33%

B: 16.33%

C: 15.82%

D: 16.63%

Answer: D

Q17: The sum of the rational numbers $(-7/19)$ and $(-6/57)$ is:

A: $-9/19$

B: $9/19$

C: $-13/19$

D: $13/19$

Answer: A

Q18: Simplify: $(5/3) + (-4/5) + (8/15) + (-11/20)$

A: $-17/20$

B: $17/20$

C: $19/20$

D: $-19/20$

Answer: B

Q19: Express 0.6323232.... in the form p/q , where p and q are integers and q is not equal to zero.

A: $63/100$

B: $79/125$

C: $7/11$

D: $313/495$

Answer: D

Question Paper
ANMC Question Paper 2018 - Class 7

Exam ID : TEST/2024/02/25125210

Report Generation Date : 3/26/2024 2:59:35 PM

Q20: If $x = 2 - 3\frac{1}{2}$ then the value of $x^2 + \frac{1}{x^2}$ is:

A: 11

B: 14

C: 12

D: 13

Answer: B

Q21: Find the value of: $(\frac{20}{3}) \times [-\frac{9}{4} + \frac{13}{6}]$

A: $\frac{5}{9}$

B: $-\frac{5}{9}$

C: $\frac{4}{9}$

D: $-\frac{4}{9}$

Answer: B

Q22: Rationalize the denominator of: $\frac{7}{[(108)^{\frac{1}{2}} - (96)^{\frac{1}{2}} + (192)^{\frac{1}{2}} - (54)^{\frac{1}{2}}]}$

A: $[2(3)^{\frac{1}{2}} + (6)^{\frac{1}{2}}]/6$

B: $[(3)^{\frac{1}{2}} + (6)^{\frac{1}{2}}]/6$

C: $[2(3)^{\frac{1}{2}} + 3(6)^{\frac{1}{2}}]/6$

D: $[3(3)^{\frac{1}{2}} + (6)^{\frac{1}{2}}]/6$

Answer: A

Q23: If $(a - b - 5)^2 + (c - a - 6)^2 = 0$ then find the value of $c - b$:

A: 15

B: 10

C: 11

D: 13

Answer: C

Q24: Simplify: $(a + b - c - d)^2 - (a - b + c - d)^2 - 4ab$

A: $4(cd - ac - bd)$

B: $4(cd - ab - bd)$

C: $4(ad - ac - bd)$

D: $4(ad - ac - cd)$

Answer: A

Question Paper
ANMC Question Paper 2018 - Class 7

Exam ID : TEST/2024/02/25125210

Report Generation Date : 3/26/2024 2:59:35 PM

Q25: Simplify: $(a + b)^3 + (a - b)^3 - 2a^3 - 5ab^2$

A: ab

B: ab^3

C: ab^2

D: a^2b

Answer: C

Q26: If $3x - \frac{3}{x} = 7$ then find the value of $x^3 - \frac{1}{x^3} - \left(\frac{343}{27}\right)$

A: 0

B: $\frac{7}{3}$

C: 7

D: 3

Answer: C

Q27: Multiply the following fractions: $9\frac{2}{7} \times 5\frac{5}{6}$

A: $\frac{235}{7}$

B: $\frac{275}{6}$

C: $\frac{325}{6}$

D: $\frac{312}{7}$

Answer: C

Q28: Which of the following is largest fraction amongst $\frac{15}{16}$, $\frac{23}{25}$, $\frac{12}{13}$ and $\frac{14}{15}$?

A: $\frac{23}{25}$

B: $\frac{12}{13}$

C: $\frac{15}{16}$

D: $\frac{14}{15}$

Answer: C

Q29: How many $\frac{3}{8}$ kg pieces can be cut from a cake of weight 12 kg?

A: 24

B: 48

C: 40

D: 32

Answer: D

Question Paper
ANMC Question Paper 2018 - Class 7

Exam ID : TEST/2024/02/25125210

Report Generation Date : 3/26/2024 2:59:35 PM

Q30: A student was asked to multiply a number by $\frac{2}{5}$. Instead, he divided it with $\frac{2}{5}$ and got an answer 126 more than the correct answer. Find the number.

A: 56

B: 62

C: 60

D: 58

Answer: C
